

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

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MODEL : 432PSL6228
BASE MODEL : 432PSL6228

Winding H-SG 430627

11/01/2001

Kilowatt ratings at kW (kVA)	1800 RPM		60 Hertz			4 LEADS		Dedicated single phase Dripproof or Open Enclosure	
	Class B		Class F					Class H	
	80° C Ø Continuous	90° C Ø Lloyds	95° C Ø ABS	105° C British Standard	105° C Continuous	130° C Ø Standby	125° C British Standard	125° C Continuous	150° C Ø Standby
240-1	170 (170)	180 (180)	180 (180)	195 (195)	195 (195)	210 (210)	210 (210)	210 (210)	225 (225)
240-8	125 (156)	135 (169)	135 (169)	145 (181)	145 (181)	155 (194)	155 (194)	155 (194)	170 (213)
220-1	160 (160)	170 (170)	170 (170)	175 (175)	175 (175)	190 (190)	190 (190)	190 (190)	205 (205)
220-8	125 (156)	130 (163)	130 (163)	140 (175)	140 (175)	150 (188)	150 (188)	150 (188)	160 (200)

① Rise by resistance method, Mil-Std-705, Method 680.1b.

British Standard Rating per BS 5000

Submittal Data: 240 Volts*, 180 kW, 225 kVA, 0.8 P.F., 1800 RPM, 60 Hz, 1 Phase					
Mil-Std-705B			Mil-Std-705B		
Method	Description	Value	Method	Description	Value
301.1b	Insulation Resistance	>1.5 Meg	505.3b	Overspeed	2250 RPM
302.1a	High Potential Test		601.4a	L-L Harmonic Maximum - Total (Distortion Factor)	5.0%
	Main Stator	1500 Volts	601.4a	L-L Harmonic Maximum - Single	5.0%
	Main Rotor	1500 Volts	601.1c	Deviation Factor	6.0%
	Exciter Stator	1500 Volts	--	Type	MAGNAPLUS
	Exciter Rotor	1500 Volts	--	Insulation	Class H
401.1a	Stator resistance - Line to Line		--	Coupling - Single Bearing	Flexible
	Dedicated connection	0.0072 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.852 Ohms	--	Exciter	Rotating
	Exciter Stator	18 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.105 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 240 Volts Line to Line	0.62 A DC	--	Cooling Air Volume	1100 CFM

